

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An acrylic pressure-sensitive adhesive tape comprising:

(a) a layer of an acrylic backing comprising

(i) from about 88% by weight to about 92% by weight of an acrylic polymer comprising:

from about 35% by weight to about 45% by weight of a first alkyl acrylate monomer having alkyl groups which contain from 4 to 12 carbon atoms,

from about 30% by weight to about 40% by weight of a second alkyl acrylate monomer having alkyl groups which contain from 4 to 12 carbon atoms, wherein said second alkyl acrylate monomer is independent from said first alkyl acrylate monomer,

from about 6% by weight to about 10% by weight of a first monoethylenically unsaturated polar copolymerizable monomer, and

from about 1% by weight to about 2% by weight of a second monoethylenically unsaturated polar copolymerizable monomer, wherein said second monoethylenically unsaturated polar copolymerizable monomer is independent from said first monoethylenically unsaturated polar copolymerizable monomer; and

(ii) from about 8% by weight to about 12% by weight of hollow glass microspheres dispersed evenly in said polymer;

(b) at least one layer of a pressure-sensitive adhesive disposed on at least one side of said layer of said acrylic backing; and

(c) a primer layer disposed between said layer of said acrylic backing and said layer of said pressure sensitive adhesive, said primer layer comprising a primer selected from the group of primers consisting of polyamide solution, polyamide emulsion, nitrile rubber based solution, nitrile rubber based emulsion, natural rubber based solution, natural rubber based emulsion, ethylene-propylene copolymer rubber

based solution, ethylene-propylene copolymer rubber based emulsion, ethylene-propylene-diene monomer terpolymer rubber based solution, ethylene-propylene-diene monomer terpolymer rubber based emulsion, poly(ethylene-co-vinyl acetate) solution, poly(ethylene-co-vinyl) acetate emulsion, poly(ethylene-co-vinyl acetate and alcohol) solution, poly(ethylene-co-vinyl acetate and alcohol) emulsion, silane modified rubber solutions, and silane modified elastomer solutions.

2. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 1, wherein the acrylic polymer includes from about 0.3% by weight to about 0.5% by weight of initiator.

3. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 2, wherein the initiator comprises at least one photoinitiator.

4. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 1, wherein the acrylic polymer includes from about 0.05% by weight to about 0.07% by weight of a crosslinker/chain extender.

5. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 4, wherein the crosslinker/chain extender is a multifunctional acrylate.

6. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 4, wherein the crosslinker/chain extender is a multi-ethylenically unsaturated copolymerizable monomer containing at least two carbon-carbon double bonds.

7. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 4, wherein:

the crosslinker/chain extender is taken from the group consisting of ethylene glycol diacrylate, triethylene glycol diacrylate, 1,4-butanediol diacrylate, 1,6-hexanediol diacrylate, trimethylolpropane triacrylate, pentaerythritol triacrylate, tetraethylene glycol diacrylate, methacrylates, and combinations thereof.

8. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 1, wherein the acrylic polymer includes from about 1% by weight to about 2% by weight of a filler.

9. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 8, wherein said filler is a fumed silica.

10. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 8, wherein said filler is a surface modified silica.

11. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 1, wherein:

the first alkyl acrylate monomer is isooctylacrylate,

the second alkyl acrylate monomer is 2-ethylhexyl acrylate,

the first monoethylenically unsaturated polar copolymerizable monomer is acrylic acid,

the second monoethylenically unsaturated polar copolymerizable monomer is acrylamide, and

the hollow glass microspheres are borosilicate glass.

12. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 11, wherein the acrylic polymer further comprises:

from about 0.3% by weight to about 0.5% by weight of initiator,

from about 1% by weight to about 2% by weight of a filler, and

from about 0.05% by weight to about 0.07% by weight of a crosslinker / chain extender.

13. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 12, wherein the initiator comprises at least one photoinitiator.

14. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 13, wherein the photoinitiator is benzoin ethyl ether.

15. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 11, wherein the filler is fumed silica.

16. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 11, wherein the filler is a surfaced modified silica.

17. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 11, wherein the crosslinker/chain extender is 1,4 butanediol diacrylate.

18. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 11, wherein the acrylic backing comprises:

from about 40% by weight to about 41% by weight isooctylacrylate;
from about 36% by weight to about 37% by weight 2-ethylhexyl acrylate;
from about 8% by weight to about 9% by weight acrylic acid;
from about 1% by weight to about 2% by weight acrylamide; and
from about 10% by weight to about 11% by weight borosilicate glass.

19. (currently amended) The acrylic pressure-sensitive adhesive tape according to claim 18, wherein the acrylic backing further comprises:

from about 0.35% by weight to about 0.45% by weight benzoin ethyl ether;
from about 1% by weight to about 2% by weight fumed silica; and
from about 0.055% by weight to about 0.065% by weight 1,4 butanediol diacrylate.

20. (previously presented) The acrylic pressure-sensitive adhesive tape according to claim 1, wherein the backing further comprises:

a sufficient amount of colorant to impart color to the adhesive tape.

21 - 42. (Cancelled)